

## ABSTRACT

To provide the method of forming the thin coating film of fluorine-containing polymer having heat resistance and non-sticking property by adhering directly to a substrate without lowering  
5 characteristics such as reflection and light transmission which the substrate has. The thin coating film is a film which comprises a continuous layer of fluorine-containing polymer formed by adhering directly to the substrate and has a thickness of less than 3  $\mu\text{m}$ , wherein the fluorine-containing polymer in the coating film has a hydrophilic  
10 functional group and a crystalline melting point of not less than 200°C